

Additions to
17th Street Canal Pumping Station

Gave soils report to F. Vojkovich Monday 8/6/84. He said he
couldn't look at the plans til Wednesday → will give them to him then.
(Picked up plans 8/7/84 pm, returned 8/8/84. Took off Wed., will get no comments til Thur)

- Will need to have F&M tell us:
- ① what stability analyses they need.
(during construction and final sections) For station, floodwalls, excavations, etc.
 - ② what surcharge effect will storage/fuel tanks impose on I-wall (west side).
 - ③ ~~Q-file~~ ~~stability~~ on PZ-22 I-wall
 - ④ Allowable pile loads for piles under discharge tube/floodwall

We need to check:

✓ Concrete design for floodwalls + gate monoliths

✓ Steel design for R.R. floodgate.

Loads on piles under discharge tube/floodwall (3-D analysis)

Loads on piles under R.R. floodgate (3-D analysis)

✓ I-wall on West side of Channel (deflections etc)

(thickness of conc. cap) New floodwall tie-in to existing floodwall (monolith joints etc)

Sheet pile tie-ins ✓

Backflow ratchet

~~Coordinate reply through Operations Div, Permit Branch.~~

Suspense date of 10 Aug 84 will have to be changed.

(changed to 17 Aug 84 as of 10 Aug 84)

R.R. swing gate - No reinforcing steel shown in walls, columns, base etc

No tie-in details for floodwalls, No joint details

No reinforcing details for floodwall over discharge tube.

11th St. Canal Pumping Station

Phase I

CMT 1 Oct 82

ops
Req. permit to build 4 discharge tubes, new floodwall.
(sent sketches)

Cmt 2 Nov 82

struct.
Requested more information, P+S etc.
Explained credits

CMT 5 Re-applied for permit, provided
ops P+S

CMT 6 → 11 Resolve comments
struct. ~~LOK~~ permit request 27 Jul 83

CMT. 1 Req. permit for 2 new pumps

CMT. 2 ^{27 Jul 83}
No objection, explained credits
Requested final P+S

Permit issued with "no work..." clause
until final P+S submitted 29 Aug 83

Letter from Burk with P+S (1 Aug 84)
requesting final review (to struct. Des)

Letter to Burk with comments 17 Aug 84

Phase II

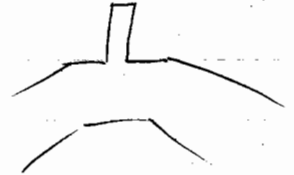
trvc.
Des

17th STREET CANAL PUMPING STATION

PHASE II ADDITIONS

DESIGN COMPUTATIONS FOR

CONCRETE DESIGN FOR FLOODWALLS AND GATE MONOLITH
STEEL DESIGN FOR RR. SWING GATE
PILE FOUNDATIONS
I-WALL ON WEST SIDE OF CHANNEL



DETAILS FOR

FLOODWALL TIE-INS & JOINTS
TIE-IN OF I-WALL TO EXISTING FEDERAL LEVEE
REINFORCING STEEL - FLOODWALL & SWING GATE MONO.

STA 118+46.1 END OF LEVEE ENLGT AUG 1962

(JUST NORTH OF THE SOUTHERN R.R.)

∴ FLOOD PROTECTION N. OF TRACKS IS PART OF THE 1950 MAL PROJECT.

SOUTH OF THE TRACKS CAN ONLY BE REVIEWED IN REGARD TO CREDITS APPLICABLE BY LOCAL INTERESTS TO THE HIGH LEVEL PLAN

try 35' piles under

are dwgs complete? when? (R.R. dwgs especially)

when is this job to go out?

can we get computations

14 Aug 84 Called Tom Klausler of Burk & Assoc. regarding comments & he will call back about a meeting

Permit Pump Sta # 6
Plans

8/15/84

F&M Draft Comments

- ? (1) The stability of the ^(Orleans) east levee into the canal ~~appears~~ appears to be deficient. The soils report does not address whether the east (Orleans) retaining wall design incorporated the driving forces from a stability analysis.
- ✓ (2) There appears to be no seepage cutoff below the railroad gate.
- ✓ (3) The P&S for a previous permit review of a pile supported floodwall adjacent to the proposed work called for a pile test. Since the floodwall was completed the pile test results should be furnished to us.
- ✓ (4) No sheetpile tip elevations were given for the sheetpile under the floodwall between the existing discharge pump "G" and the I-WALL type "C".
- ✓ (5) How will the new sheetpile under the floodwall ~~for~~ for pump "I" tie into the existing sheetpile for pump "G".

Permit Review
Spec Pump Sta #6
F+M Branch Comments

8/16/84

(L) Page 2.5 Par 4.6.1 Deletes the last sentence of the paragraph.

A monolith joint should be provided at a sheet pile interlock between the discharge tubes and the adjacent flood wall to prevent cracking of the wall due to differential settlement between the tubes & the wall.